# Impact Analysis Report / RFC-Proposal

**Section 1: Meta-data**

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| **RFC ID** | **RFC\_NCTS\_0143** (RTC-58296) |
| **Related Incident ID** | IM443426 |
| **RFC Initiator / Organization** | TAXUD/B3, CD3, NA-TR |
| **CI** | **NCTS-P5 (DDNTA-v5.14.1 – CSE-v51.6.0)** |
| **Type of Change** | **Standard** **Emergency** |
| **Nature of Change** | Justification for Evolutive   |  | | --- | |  | |
| **RFC Source** | |  |  | | --- | --- | | **Legal & Policy Change**  **Organisational Changes** | **Business Change**  **IT Change** | |
| **Review by Business User recommended?** | **Yes No** |

***Change Summary***

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| **NCTS-P5 (DDNTA-v5.14.1 - CSE-v51.6.0): Mapping issue regarding the values CL013(830) > CL214(N830) & Multiplicity issue due to E1401. Updates in NCTS-Data Mapping- v0.43 file** |

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| During the ieCA Real Time Exercise, an issue raised regarding the value <PRODUCED DOCUMENTS/CERTIFICATES.Document type> = "830" (included in CL013-Document Type Common) and the multiplicity of the Data Group “NCTS-P5. PREVIOUS DOCUMENT”, due to validation failure of TRT E1401.  Based on the current mapping “NCTS P4. MESSAGE - GOODS ITEM - PRODUCED DOCUMENTS/CERTIFICATES” is mapped with ”NCTS.P5. CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM.PREVIOUS DOCUMENT”, in case <PRODUCED DOCUMENTS/CERTIFICATES.Document type> = "830" in NCTS.P4.  During the upgrade in the ieCA Real Time Exercise, more than 9x different repetitions of “NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. PREVIOUS DOCUMENT” were created, resulting the validation failure of E1401.  In order to avoid this issue, in terms of this RFC, the following updates will be performed in NCTS-Data Mapping- v0.43 file:  a/ If more than 9x repetitions of NCTS.P4-GOODS ITEM. PRODUCED DOCUMENTS/CERTIFICATES with type ‘830’ are registered then the upgraded message will contain only the first nine (9) repetitions under NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. PREVIOUS DOCUMENT.  b/ If NCTS-P4.GOODS ITEM. PREVIOUS ADMINISTRATIVE REFERENCES is present, then the Data Group NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. PREVIOUS DOCUMENT will contain the information related to NCTS-P4.GOODS ITEM. PREVIOUS ADMINISTRATIVE REFERENCES (as first priority) and sequentially the declared information under NCTS-P4.GOODS ITEM. PRODUCED DOCUMENTS/CERTIFICATES (as second priority).  c/ Note: The NCTS.P4-GOODS ITEM. PRODUCED DOCUMENTS/CERTIFICATES that cannot be transferred into the NCTS-P5 messages are considered as an acceptable loss of information. |

**Section 2: Problem statement**

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| In the latest version of the CSE deliverable (NCTS-P5 DDNTA-v5.14.1 based on CSE-v51.6.0) and NCTS-Data Mapping- v0.43 file, the following updates will be performed:  In the TSS CSE deliverable SfA version 51.6.0 - Appendix Q2 (DDNTA v5.14.1-v1.00) and based on the current data mapping, the Data Group “NCTS.P4-GOODS ITEM. PRODUCED DOCUMENTS/CERTIFICATES” is mapped with the following Data Groups according to the value of <GOODS ITEM-PRODUCED DOCUMENTS/CERTIFICATES.Document type>:  • If the value of “NCTS P4. MESSAGE - GOODS ITEM - PRODUCED DOCUMENTS/CERTIFICATES. Document Type” is in CL214 then Data Group “NCTS P4. MESSAGE - GOODS ITEM - PRODUCED DOCUMENTS/CERTIFICATES” will be mapped with ”NCTS.P5. CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM.PREVIOUS DOCUMENT”. • If the value of “NCTS P4. MESSAGE - GOODS ITEM - PRODUCED DOCUMENTS/CERTIFICATES. Document Type” is in CL213 then Data Group “NCTS P4. MESSAGE - GOODS ITEM - PRODUCED DOCUMENTS/CERTIFICATES” will be mapped with ”NCTS.P5. CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM. SUPPORTING DOCUMENT”.  • If the value of “NCTS P4. MESSAGE - GOODS ITEM - PRODUCED DOCUMENTS/CERTIFICATES. Document Type” is in CL754 then Data Group “NCTS P4. MESSAGE - GOODS ITEM - PRODUCED DOCUMENTS/CERTIFICATES” will be mapped with ”NCTS.P5. CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM. TRANSPORT DOCUMENT”. • If the value of “NCTS P4. MESSAGE - GOODS ITEM - PRODUCED DOCUMENTS/CERTIFICATES. Document Type” is in CL380 then Data Group “NCTS P4. MESSAGE - GOODS ITEM - PRODUCED DOCUMENTS/CERTIFICATES” will be mapped with ”NCTS.P5. CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM. ADDITIONAL REFERENCE”.  Based on the current Codelist mapping, the value “NCTS.P4-‘830’” included in **CL013-Document Type Common** is mapped with “NCTS.P5- ‘N830’ included in **CL214- Previous Document Type**, resulting the mapping of “NCTS P4. MESSAGE - GOODS ITEM - PRODUCED DOCUMENTS/CERTIFICATES” with “NCTS.P5. CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM.PREVIOUS DOCUMENT”.  In CD001B (as described in IM443426), more than 9x iterations were reported under <NCTS.P4. GOODS ITEM. PRODUCED DOCUMENTS/CERTIFICATES. Document type > with value ‘830’. Thus, during the upgrade, in the newly created CD001C message more that 9x iterations of <NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. PREVIOUS DOCUMENT> were created with type = "N830", resulting the validation failure of E1401. As per NCTS-P5 DDNTA-v5.14.1 the repetitions of the Data Group <PREVIOUS DOCUMENT> shall be up to 9x.  The wording of **E1401** is the following:    Taking into consideration that normally, only one export MRN shall be reported per consignment item and that the probability to face the aforementioned issue is VERY limited, the following updates are proposed in terms of this RFC regarding the NCTS-Data Mapping- v0.43 file:  **NCTS-Data Mapping- v0.43 file will be updated as following:**  a/ If more than 9x repetitions of NCTS.P4-GOODS ITEM. PRODUCED DOCUMENTS/CERTIFICATES with type ‘830’ are registered, then the upgraded message will contain **only the first nine (9) repetitions** under NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. PREVIOUS DOCUMENT.  b/ If NCTS-P4.GOODS ITEM. PREVIOUS ADMINISTRATIVE REFERENCES is present, then the Data Group NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. PREVIOUS DOCUMENT will contain the information related to NCTS-P4.GOODS ITEM. PREVIOUS ADMINISTRATIVE REFERENCES (as first priority) and sequentially the declared information under NCTS-P4.GOODS ITEM. PRODUCED DOCUMENTS/CERTIFICATES (as second priority).  c/ The NCTS.P4-GOODS ITEM. PRODUCED DOCUMENTS/CERTIFICATES that cannot be transferred into the NCTS-P5 messages are considered as an acceptable loss of information.  ***Note regarding the CS/RD2mapping:***  *No modification on the mapping: The value '830' of CL013 (NCTS-P4) remains mapped with ‘N830’ of CL214 (NCTS-P5).* |

**Section 3: Description of proposed solution**

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| **NCTS-Data Mapping- v0.43 file** be corrected as follows (addition of **text highlighted in yellow** – removal of ~~text with strikethrough~~ ):  Based on the aforementioned analysis, in order to avoid the rejection of messages in the upgrade of more than 9x iterations of <PRODUCED DOCUMENTS/CERTIFICATES> with <PRODUCED DOCUMENTS/CERTIFICATES.Document type> = "830", the following updates are proposed regarding the NCTS-Data Mapping- v0.43 file:  **CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM.PREVIOUS DOCUMENT (**mapped with  MESSAGE - GOODS ITEM - PREVIOUS ADMINISTRATIVE REFERENCES)  **Resolution for Upgrade:**  **From:**  No issue for Upgrade.  **To:**  No issue for Upgrade. If more than 9x repetitions of NCTS.P4-GOODS ITEM. PRODUCED DOCUMENTS/CERTIFICATES with type ‘830’ are registered, then the upgraded message will contain **only the first nine (9) repetitions** under NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. PREVIOUS DOCUMENT.  If NCTS-P4.GOODS ITEM. PREVIOUS ADMINISTRATIVE REFERENCES is present, then the information/data related to NCTS-P4.GOODS ITEM. PREVIOUS ADMINISTRATIVE REFERENCES will be transferred (as first priority)  to the Data Group NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. PREVIOUS DOCUMENT and sequentially the declared information under NCTS-P4.GOODS ITEM. PRODUCED DOCUMENTS/CERTIFICATES will be transferred to the Data Group NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. PREVIOUS DOCUMENT, as second priority. In addition, the NCTS.P4-GOODS ITEM. PRODUCED DOCUMENTS/CERTIFICATES that cannot be transferred into the NCTS-P5 messages are considered as an acceptable loss of information.  **Resolution for Downgrade will remain as is:**  During Transitional Period, TRT will be applied to restrict multiplicity to 9x. In case of Export followed by transit where CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM.PREVIOUS DOCUMENT.Type is EQUAL to {N830} the data Group will be mapped with NCTS. P4-GOODS ITEM.PRODUCED DOCUMENTS/CERTIFICATES and not with NCTS. P4-GOODS ITEM.PREVIOUS ADMINISTRATIVE REFERENCES.   In case of excise goods where CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM.PREVIOUS DOCUMENT.Type is in set {‘C651’, ‘C658’}, the data Group will not be mapped with NCTS. P4-GOODS ITEM.PRODUCED DOCUMENTS/CERTIFICATES and nor with NCTS. P4-GOODS ITEM.PREVIOUS ADMINISTRATIVE REFERENCES.   Acceptable loss of information.  The aforementioned updates will be performed in messages IE001, IE003, IE012, IE015, IE038, IE050 and IE115 of NCTS-Data Mapping- v0.43 file.  **IMPACT ASSESSMENT:**  It is considered that the proposed changes have impact on business continuity, because in Common Domain message rejections (IE906) will be occurred during the Transitional period in case the <PRODUCED DOCUMENTS/CERTIFICATES.Document type> = "830" in NCTS.P4 and in the upgrade procedure more than 9x different repetitions of “NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. PREVIOUS DOCUMENT” are created (validation failure of E1401).  It is considered that the change proposed via the current RFC-Proposal has impact on business continuity and therefore shall be deployed in a **Big Bang approach**.  More specifically:  **Impact in case of no Implementation**  In case of not implementing this change, rejections can possibly occur in common domain messages due to the validation failure of E1401 in case of upgrade (if the sender is in NCTS.P4 and the receiver is in NCTS.P5- DDNTA 5.14.1). More specifically, based on the current mapping the “NCTS P4. MESSAGE - GOODS ITEM - PRODUCED DOCUMENTS/CERTIFICATES” is mapped with the ”NCTS.P5. CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM.PREVIOUS DOCUMENT”, in case <PRODUCED DOCUMENTS/CERTIFICATES.Document type> = "830" in NCTS.P4. If more than 9x different repetitions of “NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. PREVIOUS DOCUMENT” are created, a validation failure of E1401 will be occurred.  **Movement initiated under the previous DDNTA (5.14.1) release which continues its flow under the new DDNTA (5.15.0) release (open movement):**  An issue is identified if a movement was initiated under the previous DDNTA (DDNTA 5.14.1) release and continues its flow under the new DDNTA (DDNTA 5.15.0) release (open movement).  More specifically, issue identified in case the sender is under NCTS.P4 and the recipient is under NCTS.P5 (DDNTA 5.14.1). In the aforementioned scenario, if <PRODUCED DOCUMENTS/CERTIFICATES.Document type> = "830" in NCTS.P4 and more than 9x different repetitions of “NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. PREVIOUS DOCUMENT” are created, a validation failure of E1401 will be occurred. In case later on and while the movement remains open, the NA becomes aligned with the proposed changes (DDNTA 5.15.0), no further rejection will occur regarding this issue.  **Proposed** date of applicability in Operations (**T-Ops**):   1.12.2022  **Proposed** date of applicability in CT (**T-CT**):                     July 2022  **Expected** date of approval by ECCG (**T-CAB**):                  January 2022  **Impact on transition**: Yes  **Risk of not implementing the change:** Yes  Impacted CI Artefacts:   * **DMP Package-v5.6.0 SfA-v1.00: Yes (incl. update of file Rules and Conditions\_v0.43): Yes;** * **CTS-5.6.1-v1.00: Yes;** * **CTP-5.7.0-v1.00: Yes;** * **ACS: 5.5.0 & ACS-Annex-NCTS: 5.5.0: Yes;** * **TRP-5.7.5: Yes;** * CSE-v51.6.0: No; * DDNTA-5.14.1-v1.00 (Appendix Q2\_R\_C, K PDFs): No; * AES-P1 and NCTS-P5 Long-Lived “Legacy” (L3) Movements Study v1.40: No; * CS/RD2\_DATA: No; * DDNTA-5.14.1-v1.00 (Main Document): No; * Functional Specifications (FSS/BPM): No; * UCC IA/DA Annex B: No; * CRP-v5.5-v1.00: No; * DDCOM v20.3.0-v1.00: No; * ieCA 1.0.1.0: No; * CS/MIS2\_DATA: No; |

**Impact on CI artefacts**

**Estimated impact on National Project**

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|  | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | |  | |

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| **Document History** | | |  |
| **Version** | **Status** | **Date** | ***Comment*** |
| v0.10 | Draft by CUSTDEV | 27/10/2021 | *Draft by CUSTDEV* |
| v0.20 | Updated by CUSTDEV | 05/11/2021 | Updated by CUSTDEV |
| v0.21 | Updates by CUSTDEV | 15/12/2021 | *Version Update* |
| v1.00 | SfA to NPMs | 27/01/2022 | *Updates regarding the Data Mapping in blue.*  *Updates in blue based on APO* |